

REAL APPLICATIONS



PDA5501

All-netcom 4G android multi-functional intelligent terminal.

Rugged explosion-proof stable and reliable

Widely used in logistics express, storage management, parking fees, administrative enforcement, product traceability and other fields.

Multifunction

Set 4G Netcom data transmission, barcode/two-dimensional code scanning module, built-in printer, contact and non-touch chip card (NFC) read and write.

Multiple options

To meet the needs of different industries and customers, optional fingerprint recognition, ultra-high frequency RFID, second generation identity card identification, 433MHz communication module, etc., and set aside a variety of extended communication interfaces.



Healthcare Warehouse Meter reader Ticketing Parking Express Manufacturing Tracking

PDA5501 Specification Sheet

System Configuration

Processor	ARM Cortex A53 Quad-core 64bits 1.3GHz
O.S	Android 7.0
Memory	16GB ROM+2GB RAM
Ex-Storage	Micro SD (Up to 64GB)
Display	5.5inch IPS 720x1280 High Resolution
Camera	AF 8.0M Pixels with LED flash light
Touch Panel	Industrial-grade capacitive touch panel
Keypad	2 side keys,Power key
Notification	Vibrator/LED/Speaker
Battery	7.4V 2950mAh rechargeable lithium polymer battery
Audio	Built-in microphone/Headphone slot
Sensor	G-sensor
	Micro USB/Serial Port(TTL)

Structural Parameters

Dimensions(LxWxD)	210*80*42mm
Weight	505g(battery included)

Communication Transmission

Mobile Network	3G : WCDMA:850/900/1900/2100MHz CDMA/EVDO 800MHz GSM: 850/900/1800/1900MHz 4G : LTE-FDD:B1/B3/B7/B8/B28 LTE-TDD:B38/B39/B40/B41
Wi-Fi	IEEE 802.11 b/g/n
Bluetooth	Bluetooth 4.0
GPS	Supporting GPS/AGPS

Printer

Method	Direct Thermal
Speed	70mm/sec
Width	48mm(384 Dots/lines)
Sensor	Black mark / out of paper / overheat over-voltage protection
Medium	Thermal paper and label
Type	Text/image/bar code/QR code

Operating Environment

Develop Tools	Android SDK + JDK + Eclipse
P-Language	Java
Operating Temp.	-10°~ 50°C
Storage Temp.	-20°~ 70°C
Humidity	0 ~ 95% (non-condensing)
Sealing	IP65

1D Laser Scanner (optional)

Speed	100 lines/sec
Scan Angle	±50°
Identification accuracy	≥4mil

Decoding Type	UPC-A ,UPC-E ,UPC-E1 ,EAN-13 ,EAN-8 ,ISBN/ISSN ,Code 39 ,code39 (ASCII full) , Interleaved 2 of 5 , Industrial 2 of 5,Matrix 25,Codebar(NW7) , Code 128 , UCC/EAN 128 , ISBT128 , code 93 , MSI/Plessey , UK/Plessey , China post , GS1 Data Bar
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2D Image Scanner (optional)

Method	CMOS Image
Scan Speed	60scans/sec
Scan Angle	360 ° angle, Elevation angle ± 55 °, Eeflection angle ± 55 °
Identification accuracy	2D≥7.5mil , 1D≥5mil
Decoding Type	QR Code, Data Matrix, PDF417 , UPC-A, UPC-E, EAN-8, EAN-13, ISBN, Code 128, GS1 128, ISBT 128, Code 39, Code93,Code 11, Interleaved 2 of 5, Industria 2 of 5,Matrix 25, Standard 25, Coda bar, MSI/MSI PLESSEY, GS1 Data Bar
DPM	Support DPM scanner (optional)

NFC/HF RFID

Protocol	ISO/IEC 14443A/B,ISO15693
Frequency	13.56MHz
NFC type	Type1-4Tag/Mifare/Felica

PSAM/ Contact Card

PSAM	ISO/IEC 7816 1-4
Contact chip card	ISO/IEC 7816 (optional)

Fingerprint reader (optional)

Method	Flat surface press to semiconductor sensor
Sensor	FPC1020
Image	242*266 pixels
Image resolution	508dpi
Storage	2000 pieces

UHF RFID (optional)

Frequency	902Mhz-928Mhz、865MHz-868MHz(optional)
Protocol	EPC global UHF Class 1 Gen 2/ISO 18000-6C
Capture Range	1-2m
Output Power	18-26dBm

Accessories

